

Remote Angle Indicator



Model 9723-001-3

Factory Stocked: Low cost — \$87.50 for complete package. Accuracy ± 3 degrees, repeatability ± 1 degree. Compact, rugged and light.

Description

A remote angle or position indicator system, the DC Synchro Indicator provides continuous readout over 360 degrees. It consists of a receiver and transmitter. The receiver consists of a three phase stator, permanent magnet rotor, dial pointer and scale. The transmitter is a wirewound potentiometer.

Applications

Anywhere that remote angle indication or monitored movement is required, as in aircraft: angle of attack indicators, wheel and flap indicators, "lock-on" angle for in-flight refueling; and flight simulators. Process control: to monitor position of remote servo controlled valves. Radio and radar: to transmit antenna shaft position. Also used in machine tool control and monitoring and in oil fields to indicate drilling angle.

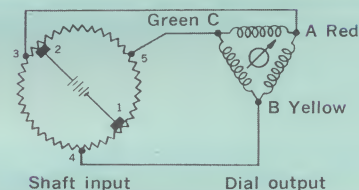
Specifications, indicator

DC coil resistance, line-to-line	ohms	485
Voltage range	VDC	20-40
Angular rotation (continuous)	degrees	360
Accuracy	degrees	± 3
Repeatability	degrees	± 1
Maximum weight	oz	5.5
Temperature range	deg C	-55 to +100

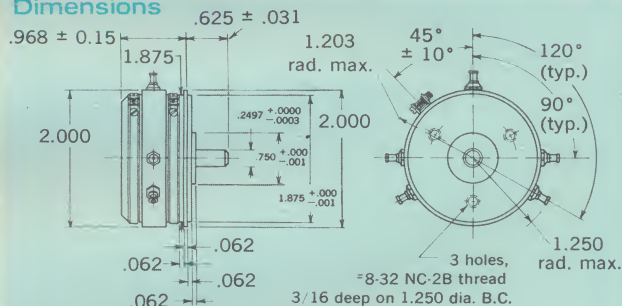
Specifications, transmitter

Input voltage	VDC	400
Resistance per section	ohms	666
Temperature range	deg C	-65 to +85

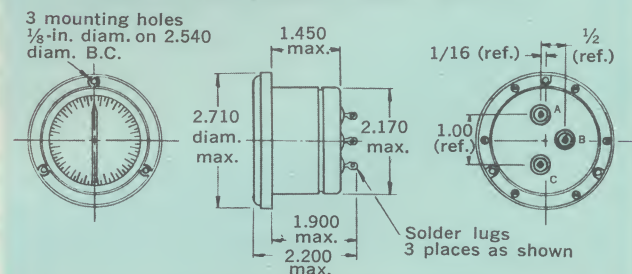
Schematic



Dimensions



TRANSMITTER POTENTIOMETER 1500-004



RECEIVER INDICATOR 000-939

To order, contact



**Western Division
IMC Magnetics Corp.**

6058 Walker Ave.
Maywood, Calif. 90270
Tel (213) 583-4785
TWX 910-321-3089
Cable: Magnatop W5279R

When you need to

Indicate Measure Control

Contact **IMC** Magnetics Corp. Western Division for . . .

Indicators

Flag indicators

Human factors men say that the movement of our flag attracts attention better than lights. We should add that their construction — jeweled bearings, balanced rotors, magnetic detenting — make them the best available. Also message indicators.

Remote Angle Indicators

A complete package. Low cost and ready to plug into your system. Quick goniometry.

Measurement

Synchros

Wide range of Buweps and other types available off the shelf. These are low cost, quality proven units, manufactured to appropriate mil specs.

Resolvers

Light weight, field-proven units available off the shelf at very reasonable prices. 30, 250, and 400 Hz.

Control

Step Servo Components

IMC leads the field. No newcomer to step servo components, we've invested time and money to earn this rank. From Size 5 to 23, Permanent Magnet and Variable Reluctance types, rates up to 1200 pulses per sec. Auxiliary electronic packages to drive and control stepper motors.

Solenoids

A catalog of stock solenoids, available off the shelf. From subminiature to pound-pusher sizes. Response in the low millisec region. Operate in high temperature, cryogenic, radioactive and other harsh environments.

and engineered subsystems that perform several functions, for example, a digital to shaft-angle converter and a high speed pulse counter. We can build such subsystems to your specifications. Also pulse generators.

For quick service, contact Western Division's Application Section or your nearest sales representative.

If you need data sheets for reference or consideration for future projects, write IMC's Marketing Division at 570 Main Street, Westbury, New York 11591.

